

The Tech

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CAMBRIDGE, MASSACHUSETTS, FRIDAY, DECEMBER 13, 1957

5 CENTS

Killian Will Attend NATO Conference With US Delegation

WTBS Wins Activities Board Approval Of \$12,000 FM Equipment Request

The Activities Development Board has approved a request for more than \$12,000 for FM broadcasting equipment made by WTBS, Station Manager Roy F. Thorpe '58 announced Wednesday. This move paves the way for the campus radio station's joining the commercial FM broadcasting band sometime next year.

The Development Board did not actually give WTBS the money; its action is preliminary to an actual donation—as either a gift or a loan, or as a combination of the two—by alumni or industrial sources.

At the same time, Thorpe, in a letter to The Tech, denied that WTBS's position as a station serving the campus would be altered if the station goes FM. The Tech, last Tuesday, charged that the increased audience of the FM station would constitute a pressure group which would force WTBS to "virtually cease to be a campus radio station."

"WTBS has and will continue to be an MIT campus station whose broadcasting is beamed towards as many members of the MIT community as is feasible to reach. This will be true when WTBS-FM commences operation," Thorpe stated in his letter.

The text of Mr. Thorpe's letter may be found on page 2.

Elaborating on his letter, Thorpe amended his position somewhat. "There is a station for nearly every taste in the Boston area. Our job will be to present MIT as a community to the larger community of Boston," he said. Asked if this meant presentation of the sticky problems as well as the ideal aspects of life and work here, he replied affirmatively.

In its editorial Tuesday, The Tech said of the WTBS-FM coverage of



CONTEMPLATING RE-MODULATION: Roy Thorpe '58, Roger Buck '58, Dave Rorer '59, Frank Manak '59, and Bob Herman '58, the Managing Board of WTBS, face the prospect of broadcasting to a community of over a million people.

campus affairs: "In fact, the whole campus affair... effort, while it may not be curtailed, will undoubtedly be re-oriented to give primary consideration to the (larger community)."

Three FM Stations Operating

At present there are three commercial college FM stations in operation. These are WHRB at Harvard, WRPI at RPI, and WPRB at Princeton. There are also several other non-commercial college FM stations, such as Boston University's WBUR.

Thorpe does not anticipate any trouble with the FCC over the switch to FM. It has been suggested that the FCC is very favorably inclined toward eliminating all "wire stations" (those which, like the present WTBS, string

transmission lines and broadcast a weak signal which can only be received within a few feet of the wires) because of leakage to outside receivers. However, Thorpe said that repeated FCC tests have shown that WTBS's leakage is negligible.

Thorpe also dismissed the possibility that the FCC would expedite the WTBS FM request because the present WTBS broadcasting frequency, 640 kc., is also one of the Conelrad (civil defense) frequencies. "A large percentage of college stations also broadcast on this frequency since it is an ideal one for technical reasons," he said. "In the event the Conelrad station is broadcasting, all other stations will be off the air anyway."

Our Nation's Defense

Aerolab Needs Research Funds

The Aerophysics research laboratory on Vassar Street will be out of business by February, unless it is bolstered by more government funds. So states Ken Duniplace, head of the laboratory. Mr. Duniplace also states that this is typical of many research groups; their staffs have been scattered and their work stopped in mid-stream, due to the recent economy drive in Congress.

Aerolab's staff has been thinned considerably; however, it is continuing work under contract for the Air Force. Its projects bear such imposing titles as "Trajectory Studies for Long Range Vehicles" and "Aerodynamic Parameters".

An example of a lab project which almost fell under the economy hatch is the MIT optimizing cruise control system for jets. This is a computer developed for the Air Force which determines the best particular speed for any particular altitude; this is a critical consideration with jets, since the jets may lose their potential range if forced to fly at altitudes lower than their cruising altitude. The control was developed by YTL and by Mr. H. L. Easton for about three years; the cost to the government was \$350,000. When the time came to install the system in a B-52 for flight testing, the Bomber Command found that it did not have the necessary \$30,000 to permit Boeing to install the control.

It appeared that the whole project would be dropped until Sputnik came along and the money mysteriously appeared.

With the "new thinking" that has come about since Sputnik, the group has new hopes for continuing its work and perhaps even getting a little money for basic research.

One such project is the long range missiles trajectory system, which is highly classified. It is cautiously described by Mr. Duniplace as being concerned "with the trajectories and dynamics of long range ballistic and near ballistic vehicles. It includes research for development of analytic techniques for determining trajectories to meet specific requirements; techniques to analyze the structural dynamics analyze the aerothermodynamic effects."

Another project that the group would like to tackle (if anyone is interested in financing it) is a study of ways and means to economize on the huge first stage of the many missiles that will be fired into space in the future. If a way could be found to eliminate the present concept of a first stage rocket, costs could be cut drastically. This might be done by carrying the missile up in a plane and hurling it skyward with a technique similar to "toss-bombing" which is now in vogue. Another method which has already been put to use is to carry the missile aloft in a balloon.

Holiday Convocation To Be Held In Kresge On December 18th

The MIT community will hold its annual Christmas Convocation this Wednesday, December 18th. Classes will be suspended for the event, which will be held between eleven and twelve a.m. in Kresge Auditorium.

Acting President Julius A. Stratton will be master of ceremonies for the Convocation, which will feature Reverend Theodore Ferris as principal speaker. The MIT Brass Choir will play Christmas Carols, and the entire audience will be invited to join in song.

The Convocation, this year is being prepared through the services of Q Club, Sophomore Honorary organization. The refreshments of cider and doughnuts will be served in the Kresge Lobby immediately following the Convocation. These have been provided with the co-operation of the MIT Matrons.

In another expression of the Christmas spirit, a special subcommittee of the Institute Committee has been busy setting up a huge Christmas tree in the lobby of Building Ten; work on the tree had been completed by yesterday. In addition, President Stratton is planning a Christmas reception for students staying at the Institute over Christmas Holidays. This will be held in the penthouse at 100 Memorial Drive on December 23rd, from four to six p.m.

Dr. Killian will attend the forthcoming NATO conference along with other members of the United States delegation. Most of the delegates, probably including Dr. Killian, left today for Paris where the opening meeting of the conference will be held Monday.

It is expected that Dr. Killian will take part in discussions on such questions as ways and means of promoting the exchange of information on nuclear weapons between the United States and its overseas allies.

In Paris, as in Washington, Dr. Killian's role will be purely advisory. His title is Special Advisor to the President for Science and Technology.

Other leading American delegates to the Paris Conference are: John Foster Dulles, Secretary of State; Neil H. McElroy, Secretary of Defense; Robert B. Anderson, Secretary of the Treasury; and Lewis L. Strauss, Chairman of the Atomic Energy Commission.

The deployment of nuclear weap-

ons will be the chief topic under discussion by the NATO nations. The United States reportedly wishes to stockpile nuclear warheads near missile-launching stations in Europe. The question of who would make the decision on use of these warheads has yet to be settled.

Since going to Washington, one month ago, Dr. Killian has devoted considerable time to consultations with other government officials and with leading scientists. He has attended meetings of the National Security Council.

Dr. Killian has made a minimum of public statements in his new job. However, it is expected that this situation will be altered early next year. By that time his role in promoting the development of science in this country will be more clearly delineated.

After the NATO Conference, Dr. Killian will fly back to Washington, and will return home to Cambridge for the Christmas holidays.

Stratton Declares Technology And Science Must Be Respected

Chancellor Stratton has declared that America's continued supremacy in technology depends upon our recognizing "the transcendent importance of science in the modern world."

"Russia's satellites," he said, "are the logical and predictable products of a great and sustained effort in education and scientific research that reaches to the very roots of Russian culture." To match these achievements, Dr. Stratton warned, science must become equally a part of the common culture of the American people.

MIT's acting president spoke at the conclusion of a day-long regional conference sponsored by the MIT Club of Western Pennsylvania at the Penn - Sheraton Hotel before more than 400 industrial leaders, educators, and MIT alumni from throughout this region.

For a generation past, Dr. Stratton pointed out, no one has for a moment doubted the technological supremacy of the United States. "And I do not believe that we have lost the world's technological leadership or that we cannot continue to achieve it in the future. We retain enormous advantages in productivity, in capital assets, and in scientific resources which we need only exploit."

But we are challenged by a powerful movement, Dr. Stratton warned—"an educational movement widely supported by an entire people and surging forward with gathering momentum."

Our response must be to conceive the basic role which science must play in our lives, to realize that in our world science has crossed a critical threshold. Now, like a nuclear chain reaction, the advance of science is feeding upon itself and moving forward, ever-accelerating. We fail to comprehend the degree to which these fast-growing forces of science and engineering are about to dominate the lives of succeeding generations.

To recover the pace of our technological progress, Dr. Stratton said, we must make science an essential part of our entire culture, a contributor to the quality of our society, an integral part of our common education.

"Great engineers, great scientists, and great educators will come most readily from a society in which educated men and women are at home in the sciences as they are in the humanities." They will come from a society that understands and takes that cultivates a taste for learning and scholarship, whose public is competent to deal with human and technological problems.

"The searching question now," declared Dr. Stratton, "is whether the American public has been freed from the conviction that science is wholly materialistic and vocational, that it undercuts the dignity and individuality of man, that it contributes only to the convenience and not the quality of our society."

Lerner Appointed To New Position



Dr. Daniel Lerner, noted sociologist will assume the first professorship in international communications soon.

Dr. Daniel Lerner, leading sociologist and educator, will hold the first professorship in international communication at MIT, under a 1953 Ford Foundation grant. Working with the Center for International Studies, he will apply his research findings to a new teaching program in the Department of Economics and Social Studies. This program to relieve a critical manpower shortage in the field was also made possible by the \$560,000 grant, which provides long-term support for two new professorships in the behavioral sciences.

Professor Lerner has been a senior member of the Institute faculty and research staff since 1953. He was formerly professor of sociology at Columbia and Stanford Universities, executive secretary and research di-

(Continued on page 2)

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letters

To the Editor of *The Tech*:

WTBS has and will continue to be an MIT campus station whose broadcasting is aimed towards as many members of the MIT community as is feasible to reach. This will be true when WTBS-FM commences operations. As the comment in the last issue of *The Tech* pointed out, WTBS has made great strides in the past several years to better serve the MIT students. However, I was surprised to learn of the assumptions which the editorial board of *The Tech* had made in the last three paragraphs of their editorial. It is the sincere hope of the Managing Board of WTBS that we would be fortunate enough to prompt Dean Rule and Arnie Amstutz into a discussion of open house rules before our FM audience. Our CAMPUS FORUM show will definitely continue in its present vein.

I would also like to correct the statement which said that WHRB, the FM station at Harvard, had to ban all its broadcasts of folk music, because of external pressures. This is not true, as the WHRB audience will joyfully confirm.

Truly, it is my firm conviction that the statements made in the final paragraphs of the editorial are insignificant, incorrect, and denote a lack of information on the part of the editorial board of *The Tech*.

Roy F. Thorpe,
Station Manager

WHRB: "We dropped all hill-billy music last spring when we went FM." Excuse us for calling a hill-billy a folk.—Ed.

Dear Tech Kibitzer:

I am the mother of a Tech student and so naturally desirous of keeping myself "hep" on all the latest and most scientific ways of doing things, even playing bridge. I have followed your interesting hands and the bidding and play of them in several issues of your paper, and while the previous ones were unusual in certain aspects, none of the other hands quite came up to the one in the issue of Nov. 19th for clarity of bidding and cleverness of play.

What prompts this letter is my desire to share with you my experience when I found myself miraculously confronted with the identical hand at our afternoon bridge club this past week. I was sitting in the West position and de-

cided to bid and play exactly as you had so clearly diagrammed the hand. Holding 5 diamonds with the Jack high, I bid 5 diamonds a la the "Tech convention" since my partner East had bid 2 hearts, as this doubtless meant she was strong in diamonds. After 3 passes, I doubled myself to insure a big score, only to find myself re-doubled by South. At this point I began to feel a little uneasy but remembered you had cautioned never to give up when it appears all is lost.

But old, stupid me, I didn't know quite how to proceed from there so I said to the girls, with a slightly embarrassed giggle, "Let's all expose our hands and use this game to learn a new system pursued with great success at M.I.T., for doubtless no one here is such an authority"; and luckily for me, the girls agreed. I whipped out your clever column which I had in my pocket in case of just such an opportunity, and we all set about absorbing its wisdom.

However, we had to concede that several misprints must have occurred in your diagram as we failed to see how West could open the play, having been the successful 5 diamond bidder. So we crossed out the diagram and decided to follow the script.

At once we were faced with an odd situation—that of West "taking" the opening lead, as specified, by the 9 of hearts and then returning the suit as outlined in the play. After much chatter, we decided you had meant East to "take" the opening lead and return the heart suit, with South then ruffing. But upon doing this, one of the girls who had become quite skeptical by now of the whole deal, ventured the opinion that West would naturally over-ruff since he had doubled and had been re-doubled, and would not be sitting idly by blowing smoke rings at the ceiling in happy reverie. To humor this wise-acre and show her how wrong she was and how right you were, South ruffed big (since you had not specified a card) with the Queen, whereupon eventually she found herself down one, doubled and re-doubled.

Please, dear Kibitzer, restore our shattered confidence and also the high esteem in which we were once held in our club, by telling us where we goofed.

Your faithful reader,

Mom

Are our faces red—Ed.

brush Strokes

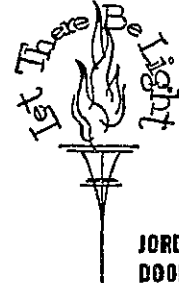
As many other harried executives have done, Dr. James R. Killian, Jr. has taken up oil painting for relaxation. A group of seven of his paintings, collectively entitled "Occupational Therapy", are now being exhibited in the lounge of the Faculty Club.

Dr. Killian shows an interesting variety of styles in his work. When he began painting, about five years ago, he employed a flat, simple, neo-Eisenhower style. He has progressed through periods of impressionism and expressionism to a present abstract-expressionist style. His latest works are done in the style of Jackson Pollock, using brush and palette rather than the dribbling technique.

In imagination and form, Dr. Killian shows a higher degree of skill than Mr. Eisenhower. He has a good sense of form and balance, perhaps reflecting his administrative and executive ability. However, his sense of tone and color leave something to be desired.

Dr. Killian's latest painting is appropriate to his present position. Entitled "Space", it shows a large red star on a deep mottled-blue background. It is a striking composition, reflecting Dr. Killian's present concerns.

—Jeffrey I. Steinfeld



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On Campus with Max Shulman

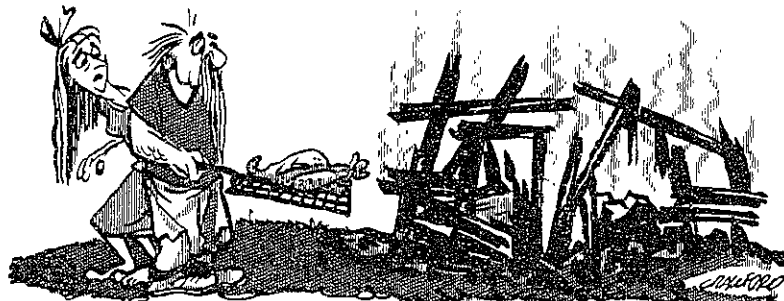
(By the Author of "Rally Round the Flag, Boys!" and, "Barefoot Boy with Cheek.")

DECK THE HALLS

The days grow short, the nights grow long, the north wind doth blow, and a light frost appears on the knees of coeds. Christmas is icumen in, and once more our keen young minds turn to the vexing problem of Christmas gifts.

Let us examine first the most vexing of all gift problems: What do you buy for the person who has everything? Well sir, when you encounter this dilemma, the best thing to do is seize it by the horns. Ask yourself this question: Does he *truly* have everything? Does he, for example, have a birthmark? A Mach number? A lacrosse net? An I-beam? An S-hook? A U-bolt? A T-square? A Primus stove?

(There is, incidentally, quite an interesting little story about how Primus came to invent the stove. Before Primus's invention, cooking was rather a hazardous occupation. People just built fires any old place—the floor, the closet, the escritoire—and often as not the whole house would go up in flames along with the dinner. Primus, a goose plucker of Frankfurt-am-Main, kept thinking there must be a more efficient way to cook. Finally, in a flash of inspiration, it came to him: Why not build a device to contain the fire and keep it from spreading?



...his mistake was in building it out of paper...

(Well sir, he built precisely such a device and named it after his beloved wife Stove. Primus's first Stove, it must be confessed, was less than a triumph; his mistake was in building it out of paper. The next Stove, built of wood, fared hardly better. Not until he made one out of metal could the Stove really be called a success.

(But even then the Stove was not entirely satisfactory. The trouble was that the Stove filled up with ashes and became useless after a few weeks. It remained for Primus's son Frederick to conquer that problem. He invented a mechanism to remove ashes from the bottom of the Stove and was thenceforth known to posterity as Frederick the Grate.)

But I digress. We were discussing Christmas gifts. This year, as every year, a popular gift is the smoking jacket. And what do the smoking jackets smoke? Why, Marlboro, of course—every man jacket of them. And why wouldn't they smoke Marlboros? Why wouldn't anybody with a taste bud in his head? You get such a lot to like in a Marlboro—filter . . . flavor . . . flip-top box.

Here is no filter to hollow the cheeks and bug the eye-balls; here is a filter that draws nice and easy. Here is no flavor to pale and pall; here is a flavor ever fresh, ever zestful. Here is no flimsy pack to crumble and shred its precious cargo; here is a sturdy box that keeps each cigarette plump and pristine.

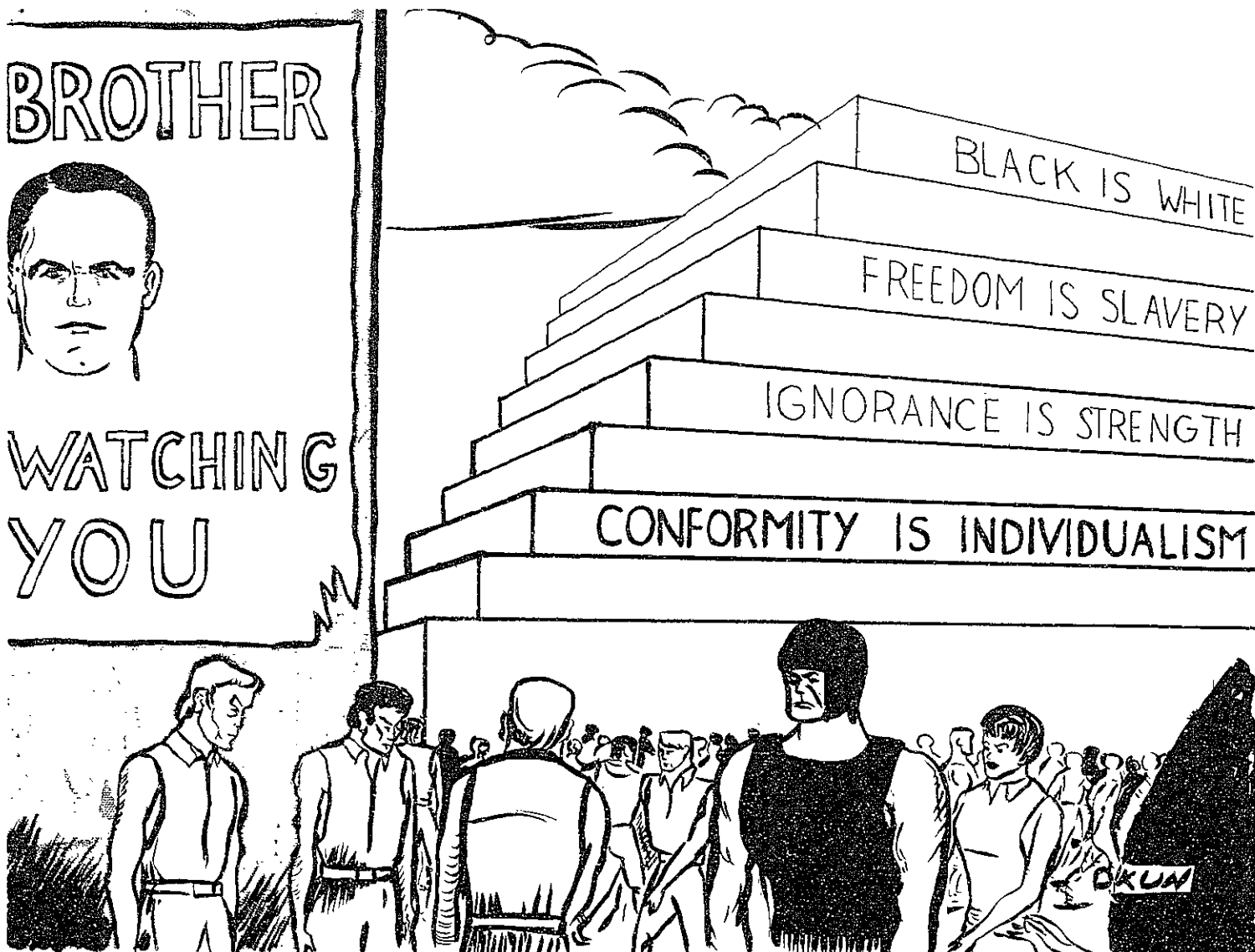
Speaking of smoking, the year's most unusual gift item is a brand-new cigarette lighter that never needs refilling. You are scoffing. You are saying you have heard such claims before. But it's true, I promise you. This new lighter never, never needs refilling! The fuel supply lasts forever.

Of course, there are certain disadvantages. For one thing, the lighter is rather bulky—170 feet long and three stories high.

But look on the bright side: As the fuel runs out, you can rent rooms in it.

© 1957, Max Shulman

Good to give, good to receive, at Christmas or any other time is a carton of filter-tip Marlboros, whose makers take pleasure in bringing you this column throughout the school year.



Sheehan To Address Science Group On Antibiotics Work

Dr. John Sheehan, who sparked a major break-through in antibiotics research, will be guest of honor at MIT's first Popular Science lecture. Dr. Sheehan will address the science group on Sunday and will describe the search for chemical keys to new antibiotics. He will explain the progress made in the search for antibiotics harmless to humans but destructive to infection.

Dr. Sheehan, Professor of Chemistry, became famous when he announced the successful synthesis of penicillin. His announcement climaxed eight years of research and opened the way for the development of drugs to combat micro-organisms already resistant to naturally-fermented penicillin.

His lecture will be entitled "Chemical Aspects of the Antibiotic Problem"; the lecture will be given at 4:00 p.m. in 26-100, the lecture hall of the Karl Taylor Compton Laboratories.

"Since the introduction of penicillin into a medicine about 15 years ago," Dr. Sheehan says in speaking of his lecture, "antibiotics have been playing an increasingly important role in the treatment of disease." Nearly 350 antibiotics have been identified, but of these only a few are useful in medicine. Only two—penicillin and chloramphenicol—have been synthesized.

To predict the properties of antibiotics—and to synthesize new ones—requires detailed knowledge of their chemical structure. This is the key, says Dr. Sheehan, to new, more effective medicines in the future.

Four Hundred Rooms In E C Are Slated For New Furniture

Robert R. Masterson, the East Campus superintendent, announced Wednesday that new furniture had been ordered to refurbish four hundred rooms in East Campus. The statement was made in conjunction with a service policy discussion after the East Campus Housecomm meeting Wednesday evening.

Mr. Masterson ascribed the lack of adequate service to the undermanned staff of porters. He said that each porter has about 140 rooms to clean per week, though it is only possible to efficiently clean about 70 rooms in that period. At a recent meeting of the porters it was decided to eliminate other work in order to have more time to clean rooms. The Institute, according to Mr. Masterson, is at present on a money-saving basis and additional help will not be acquired for some time.

The East Campus House Committee, with its surplus funds is considering buying a hectograph or a mimeograph machine for the use of the committee and East Campus Presidents.

Moving west—The Burton House Committee, which met last Wednesday night, discussed many plans about improving and enlarging the different opportunities in recreation that are offered to Burton House residents. A committee headed by George Connor is at present investigating the improvements that can be made in the game room.

The Hobby Shop is now open for use of the residents. The latest addition in its equipment is a circular

saw. Many good musicians who are troubled with the so-called "piano" which is at present in the lobby of the 410 section can look forward to better times—the piano will soon be replaced by a better one.

The newly organized Burton House Chess Club gets underway on Saturday, December 14, with a chess tournament. The club already has over forty members on its rolls.

The East Campus House Committee also voted to give official support, in form of recognition, to "Bob, the Slob" as their candidate in the UMOG candidate.

NEW PROFESSOR

(Continued from page 1)

Project at the Hoover Institute, and research director and founder of the rector of the International Studies Institut d'Etudes Europeennes in Paris. He received his A.B., M.A., and Ph.D. at New York University.

Dr. Lerner's books include *Propaganda in War and Crisis*, *The Policy Sciences* (with Harold Lasswell), and *France Defeats EDC* (with Raymond Aron). *Modernizing the Middle East*, a study of communication patterns and social change in the Middle East, will be published next spring, and Dr. Lerner is now completing a study of French attitudes toward the movement for European unification.

The appointment was announced Tuesday by Dean John E. Burchard of the School of Humanities and Social Studies as a part of the ever-growing humanities program at MIT.

Frosh Council Wants Funds, Class Spirit

The Freshman Council is pushing two major projects this year. First, they are trying to consolidate class spirit; second, they are attempting to raise a good cash backing for the class. In past years, the freshman class has received a grant from the Institute Committee treasury. This year, however, no grant is forthcoming instead, Inscomm has purchased a supply of "Beaver Pins" to be sold by Freshman Section leaders. If fully sold, the pins should gross six hundred dollars; however, a bill of five hundred dollars for the pins must be met before any profit can be made.

With this in mind, the Council is planning two major money-making activities. The Freshman raffle will be held after Christmas vacations, and will feature as first prize a 1947 Chevrolet. (With the car is included a free Buildings & Power parking sticker).

The Freshman class dance is planned for a Friday night in March, and will be held at the Sherry-Biltmore Hotel in Boston. A large attendance is anticipated.

Section Meetings Held

In attempts to install some class spirit and get the section members better acquainted, a series of parties and smokers has been scheduled. Earlier this term, the Tech Matrons sponsored smokers for all sections, to which faculty members were invited, the Sections are now planning Christmas parties individually. Later in the term, Section dinners will be held in Boston restaurants as social gatherings.

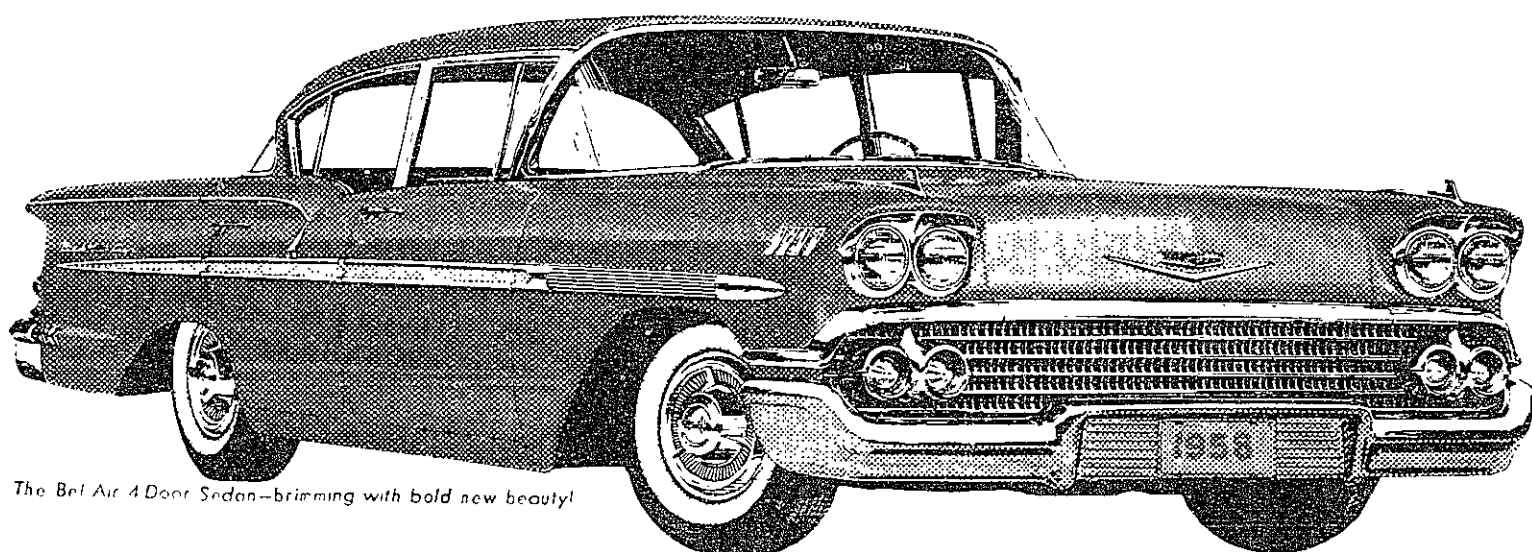
Grad School Gains From Esso Grants To Future Teachers

The Esso Education Foundation has announced that MIT has been selected to receive a grant to be used for the establishment of scholarships on the graduate level. This sum is part of a wide variety of grants to 84 private colleges and universities for the stimulation of science teaching at every school level.

Eugene Holman, chairman of the board of trustees of the Foundation and chairman of the board of directors of Standard Oil Company (New Jersey), said that the first part of this special three-year, \$1,500,000 program was being put into effect immediately.

In announcing the allocation of approximately \$500,000 to institutions in many parts of the country, Mr. Holman pointed out that the Foundation's action was in keeping with the spirit of President Eisenhower's November 13 address in Oklahoma City in which the President called for "a system of incentives for high aptitude students to pursue scientific or professional studies; a program to stimulate good quality teaching of mathematics and science; provision for more laboratory facilities; and measures, including fellowships, to increase the output of qualified teachers."

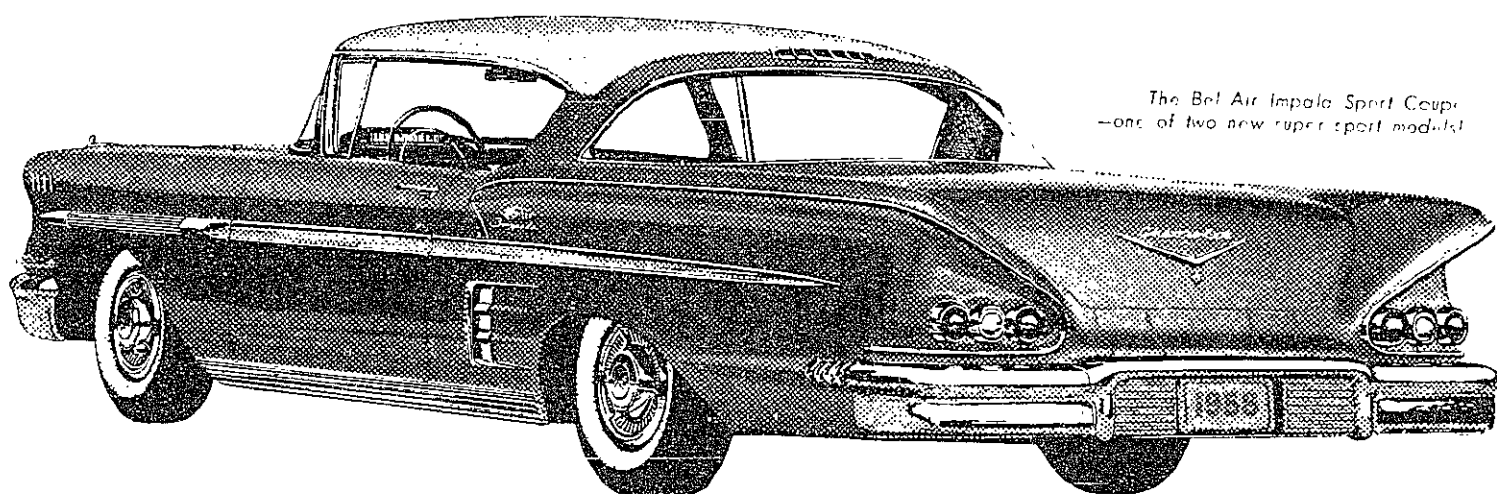
At the college undergraduate level, the Foundation made unrestricted grants of \$3,000 each to departments of science and engineering at 50 private colleges and universities, and capital grants totaling \$50,000 to 11 schools for buildings and equipment to be used for science and engineering purposes. Such undergraduate grants total \$200,000.



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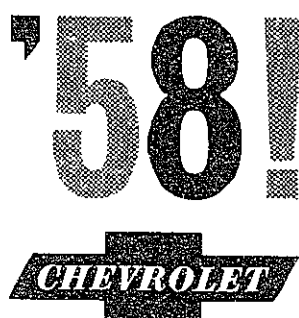
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Swimmers Take Tufts, Hockey Team Bows, Fencing Opens

Swim Squad Victors; Varsity, Frosh Win

Both the varsity and freshman swim teams whipped the Tufts teams by scores of 67-19 and 53-22 respectively.

First and second places were taken by Bob Brooker '59 and Clarence Kemper '60 in both the 220- and the 440-yard freestyle to pile up 16 easy points for the mermen. On top of this, Ed Getchell '59 and Bob Ten Eick '59 placed 1-2 in the hundred butterfly, while Dave Cahlander '59 and Anton Simson '60 repeated this in the competitive diving.

The 200-yard backstroke saw Neil Divine '59 and Tony Aldrich '60 take first and third with Roger Kane '59 and Bob Barrett also first and third respectively in the 50-yard freestyle sprint. In the 100 freestyle, Capt. Murry Kohlman, with two false starts to his credit, fought his way to a very close second with Jerry Hurst '60 taking fourth.

In the 200-yard breaststroke Burnell West '60 set a new school record by taking first to the tune of 2:39.8 with Lynn Jacobson taking third. In both the Medley of Neil Divine '59, Burnell West '60, Charles Rook '59, and Jack Kossler and the Relay of Roger Kane '59, Capt. Willy Veeck '58, Bob Barrett '60, and John Windle '60, the Techmen took easy firsts.

(Continued on page 6)

Icemen Taken By Northeastern; Face Hamilton Here Tomorrow



Right defense man Roger Stowell '60 takes the puck in the Northeastern game.

Pitted against another team well out of their class, MIT's fighting hockey team was massacred 15-2 by Northeastern last Wednesday night. In a game which ended in a blinding snow storm Tech gave up seven goals in the second period, although able to hit for one apiece in the first and third frames. Scoring for Tech were

Jon Weisbuch '59 and Bill Jobin '59, Jon's goal coming in the first period to make the score 3-1 on a pass from George Peckingham '59 and Ed Sullivan '58. Jobin batted his shot in from right in front in the opening seconds of the third frame on a pass from Larry Turner '59.

Northeastern's polished offense and

Squash Team Faces Wesleyan Tonight

The varsity squash team faces Wesleyan tonight at 7:30 on the East Campus Court square in what may well be the closest match of the season. In the process of rebuilding, the Crockermen lack an outstanding player but feature several fast improving members. Although beaten by Dartmouth in their opener, the varsity played well against what is probably the best Big Green outfit in years. Jesse Wallace '58 will again fill the number one slot. Senior co-captains Cal Morse and Dick Barone will be at two and three, with seniors Chuck Leonard and Bob Hecht

(Continued on page 6)

superior skating ability was noticeable the rest of the time, however, as the Huskies constantly set up plays on sharp passing or by outmaneuvering the MIT defense. Despite a leg injury which kept him out of action the first period, Captain Paul Ekberg '58 played another spirited game on defense.

The team was severely hampered by lack of practice; the last time the ice had been useable was for the Norwich game last Friday. This Saturday afternoon the pucksters face another power in the hands of Hamilton, possibly a little more in Tech's class. Faceoff is at 2:00 p.m. on the MIT rink.

Fencers Open With First Formal Match

The Fencing team will have its first formal fencing meet tomorrow in Walker Memorial at 2 p.m. against Brad-Durfee.

Last Saturday, the team met Brown University in an informal match which MIT won 11-1. Fencing sabre were Larry Campbell '59, Karl Koepke '60, and Joe Verderber '60. Fencing foil were Mike Fein '58, Sherman Karp '60, and Jerry Yarbough '60. No Epee bouts were fought due to inavailability of equipment. The only person to lose a bout was Karl Koepke who redeemed himself by winning the second bout. Team Captain Les Dirks officiated the match.

The team this year consists of:

- Foil:
Mike Fein '58
Larry Shabel '59
Sherman Karp '60
McPherson '60
Jerry Yarbough '60
- Epee:
Les Dirks '58, Captain
J. Pedlosky '59
Ron Wempen '59
Hassel '60
Bill Hudson '60, Manager
- Sabre:
Larry Campbell '59
G. Whiteman '59
E. Brown '60
Karl Koepke '60
Warten Siemens '60
Joe Verderber '60

beaver barks

by Dave Packer '59, Sports Director Newcomer

For those of you who had never seen the word "Hasseltine" in print until the last issue of this paper, we feel a bit of biography is due. Eric is a product of the 3-2 plan, and transferred this year from Hamilton where he played varsity ball for two years. Eligibility rules, which usually state that a transfer student is not eligible for intercollegiate competition for at least one year after his transfer, luckily do not apply to this plan. Anyway, after seeing him play an excellent game at Trinity, which included 19 points, the least we can say is, "Glad to have you aboard, Eric."

We were somewhat disheartened to see JV basketball go. It was senseless to keep it, though, since only seven men were on the squad. Frosh coach Whitelaw thinks the cause may be in a great part due to the new intramural facilities—which have made this sport much bigger than in past years, when a very limited amount of space was available.

This may also point up an over-emphasis, or at least a change of perspective, which has been creeping into intramurals in the last few years.

MIT is not alone in this "problem". Ohio Wesleyan's IFC has before it a suggestion to abolish their equivalent to our intramural trophy. It is felt by some that such action would cause less emphasis to be put on having only the best athletes participate, thus allowing more men to take part in the IM program.

Intramurals are supposed to be for fun; for the fellows who don't have the time or ability for intercollegiate sports. Now, however, some of these men may be dropping intercollegiate sports for intramurals—which have become very important—at this point too important. The old Rush Week gag, "We've got to pledge a quarter-back" might be becoming a serious consideration.

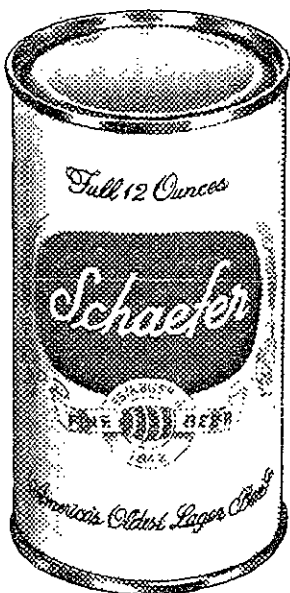
How much of an effect on intercollegiate sports the intramural program has, it is impossible to say; but the hint (not so much a hint when last year's IM All Stars beat the varsity hoopsters) that they are taking men away from the intercollegiate program is a disturbing thought.

If they are, then we are not so sure anyone is benefiting—certainly not the intercollegiate teams, and certainly not the fellows who should be playing intramurals. We suggest that every living group that fields a team sincerely ask themselves if that team is there to provide fun for those who play, or whether it is sort of a professional outfit out only for the glory of winning.

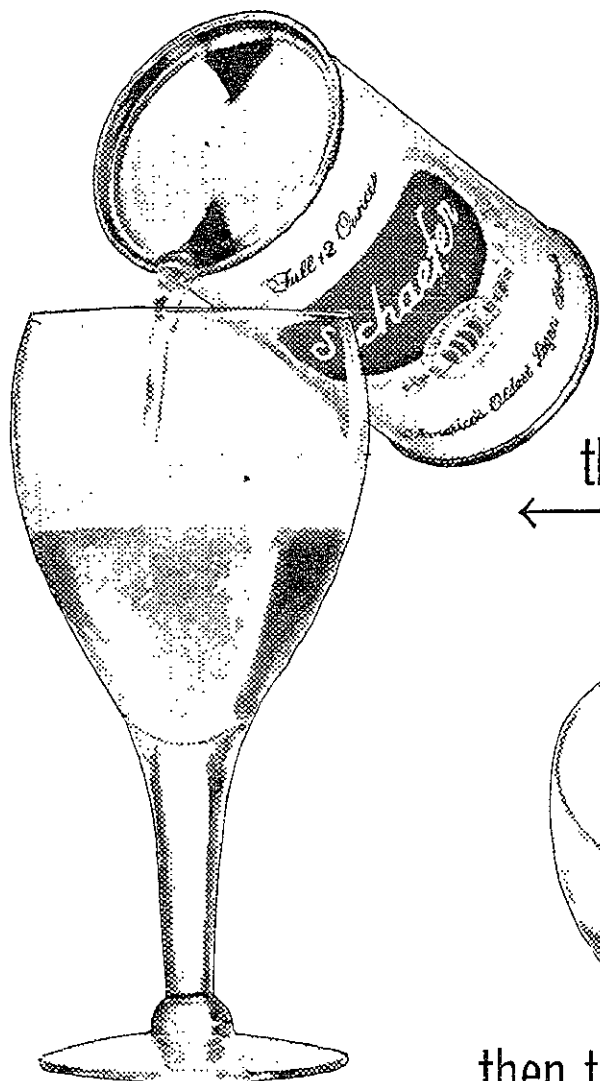
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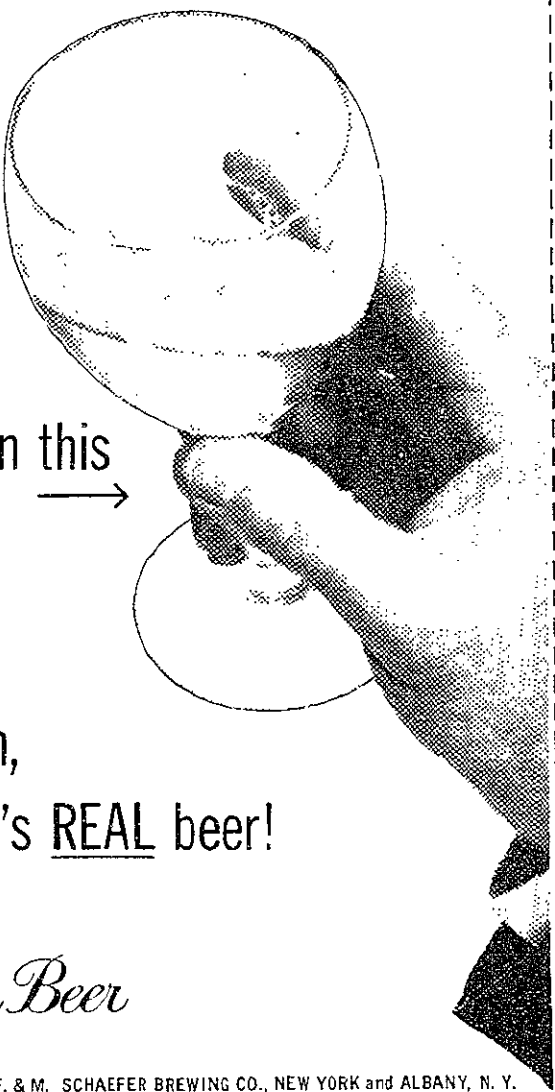
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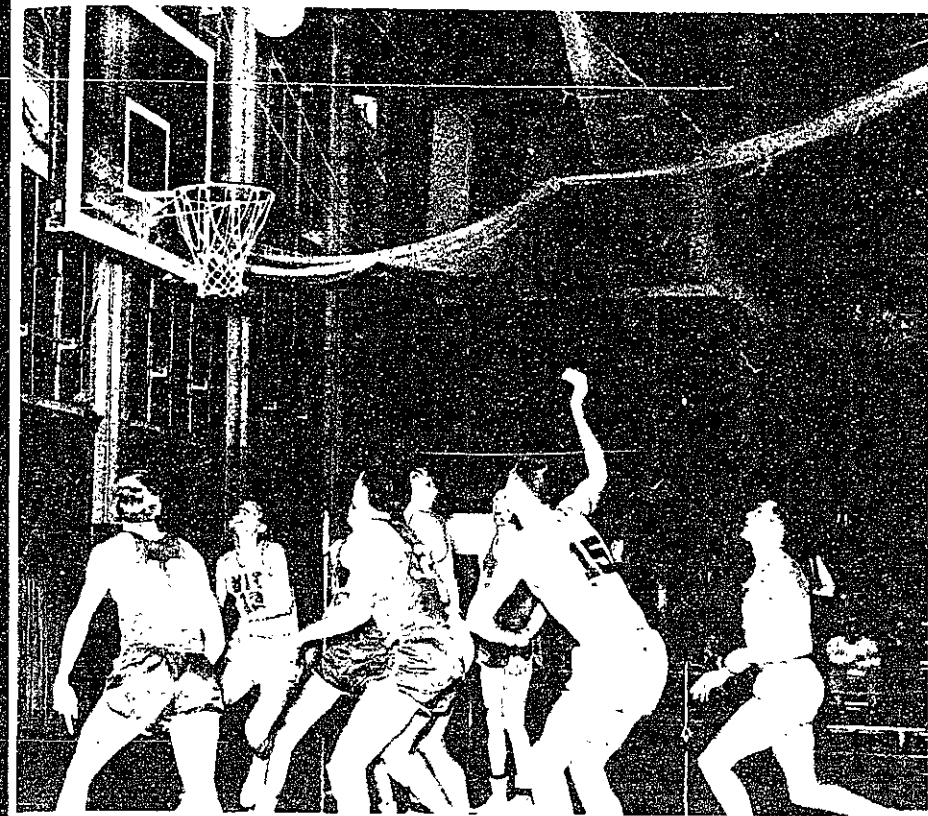
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Improved Varsity Meets Harvard In Court Duel Tomorrow

the cardinal and grey



MIT Captain Mac Jordan '53 puts in a short hook.

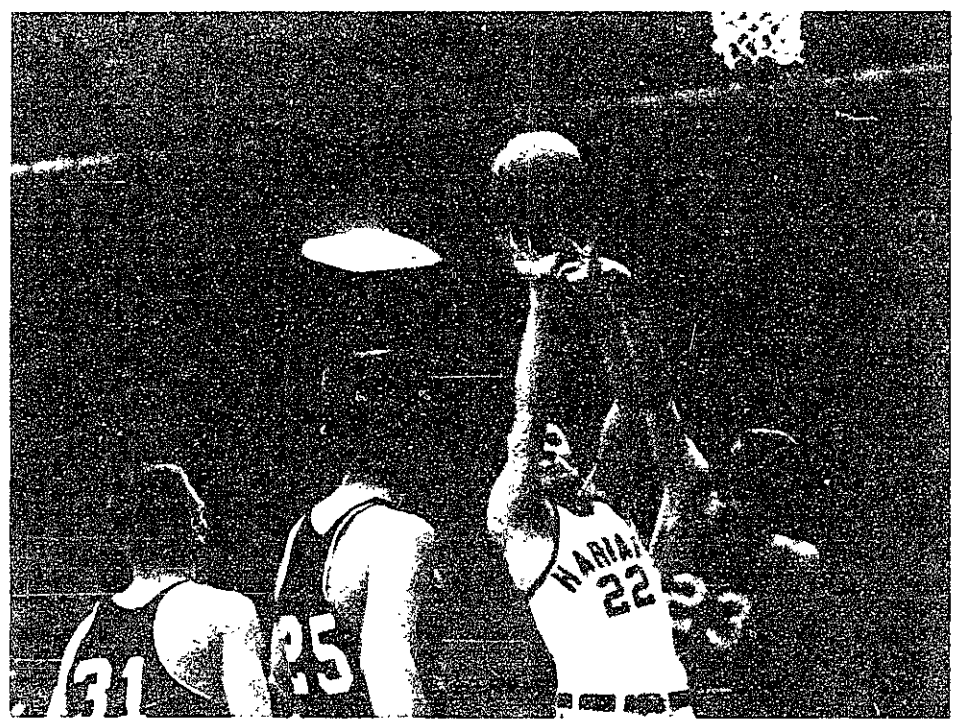
Close Game Expected; Crimson Record 4-0

The MIT hoopsters face Harvard tomorrow night in what should be one of the best, and most crowded, games of the season.

The Tech quintet got off to a bad start by losing a one-point heart-breaker to Springfield after leading most of the game, and to Amherst in their first home show. However, against Trinity last Saturday night they looked much improved, and overcame an early 13-point spotting to win.

The MIT starting five will probably be Captain Mac Jordan '58, Lee Cooper '59, center Norm Howard '58, pepper-pot Herman Burton '60, and Co-high scorer in the Trinity game Eric Hasseltine '59, in his second starting role of the season.

the crimson



The Harvard Crimson. A Harvard hoopster takes a rebound in their game against the University of Massachusetts. The Crimson trounced them, as they have done to every opponent so far.

Opinions Varied On Court Fate; Correct Forecast Will Win Prize

Tomorrow night's Harvard game promises to be a real thriller despite Harvard Crimson comments to the contrary. Harvard, riding the crest of a four-game winning streak will probably start only two of the five who were responsible for a 9-point win over Tech last year. Captain Dick Woolston, and set shot artist George Harrington whose 16 points last year were the difference, will prob-

Opinions from various members of *The Tech* indicate the closeness of the game.

Dave Packer, Sports Director: "Harvard is the more polished ball club and will win by five." Sports Editor Abe Feinberg goes along on the basis of last year's defeat picking the Crimson by 71-63. Chairman Helmut Weymar, an ex-sports editor disagrees, however, and thinks Tech will take it on spirit 66-63. Staff member T Bond agrees, relying on the advantages of a home crowd to give MIT a one- to two-point win. "It'll surely be as close as two years ago when the Cantabs won 60-59, and luck should be riding with the Cardinal and Grey".

Saturday Schedule

SCHEDULE OF EVENTS
2:00 Hockey. MIT vs. Hamilton. Fencing. MIT vs. Brad-Durfee.
4:30 Cocktail Rally at 28 The Fenway (Phi Gam house).
6:30 MIT-Harvard freshmen game—cage.
7:45 Pep Rally in the cage featuring Q Club and Cheer-leaderesses.
8:15 MIT hoopsters meet the Crimson—cage.

Height Advantage

Coach John Burke, a four letter-man in basketball at Springfield, cites the improvement of the individuals on the team: "They keep changing, I know less now than I did at the first of the year." He does know, though, that "Harvard's too big for us." All in all, it figures to be a pretty close game—if MIT can keep from having one of its off nights, as it did against Amherst.

Never Behind

The Harvard quintet has a record, 9-0 and have yet to even be behind in a game. Key men on the squad are Captain Dick Woolston,

last year's high scorer, and 5' 7" set shot artist George Harrington who led in scoring after he was inserted in the starting lineup last year.

Rallies

The Q Club, as a part of the effort to rejuvenate "school spirit", has captioned this contest the "game of the week". Two pep rallies have been scheduled to lead up to the game

—the first a "cocktail rally" at 28 The Fenway from 4:30 to six; the second a full fledged pep rally sponsored by the Q Club at 7:45 at the game. If the crowd is anything like past years', spectators will have to get to the cage early in order to get a seat for the 8:15 game.

The frosh face the Crimson yearlings in the first game of the evening, which starts at 6:30.

MIT Frosh Hoopsters Fail To Win; Defeated By Trinity, Huntington Hi

During a week's action, the freshman basketball team lost games to Trinity and Huntington, and thus will go on the floor Saturday night against Harvard with an 0-4 record. Outsized by about four inches per man, the Beavers dropped a decision by almost twenty points at Trinity last Saturday. MIT jumped to an early lead, but midway in the first quarter Trinity took over and was never headed again in the game. John Crissman and Brian White were

high scorers with 21 and 20 points, respectively.

Huntington Comes From Behind

Once again Tech frosh earned the initial lead in the Huntington game. At the half they still held to a three-point margin. But in the third quarter, Huntington began to fast break successfully and the final score was 58-50 in their favor. Harry Elliot lead Beaver scorers with 18 points.

The game Saturday night against Harvard is scheduled for 6:30 in the cage.

you predict

Win a free six pack of beer—predict the score of tomorrow night's basketball game and mail it to THE TECH, Walker Memorial, MIT. Closest prediction will win a six pack of beer. Predictions must be on official form below, and must be postmarked before 6 p.m. Saturday. What can you lose?

Prediction:
MIT
Harvard
Name
Address

ably lead the Crimson again. Two newcomers, however, center Bryant Tanner 6-4, and Monk Muncaster are reputed to be real threats. Tech's hopes will ride on Captain Mac Jordan, center Norm Howard, forward Eric Hasseltine, and guard Lee Cooper.

MIT, Harvard Hosts To Sprints; Eleven Crews To Race May 17th

The Eastern Association of Rowing Colleges announced this week that MIT and Harvard would be co-hosts for the lightweight Sprint Championships to take place Saturday, May 17 on the Charles.

It is expected that eleven schools will be competing for the honor of going to the Henley Regatta on London's Thames River the following month. The event is undoubtedly one of the highlights of the crew season, since the victor is acknowledged as the outstanding aggregation in the

East for the season.

Navy Victorious This Past Spring

Last May the sprints were held at the US Naval Academy at Annapolis with the hosts emerging on top and the Techmen in the middle of the pack. However, this fall's showing demonstrated that the Beavers are an improved squad.

Goutmann Light Manager

MIT's head crew manager, Mike Drew '59, announced that Mike Goutmann '60 has been promoted to the position of lightweight manager.

Trouble-free weekender—this wash 'n' wear Arrow

Off for the weekend? Here's a shirt that combines rare good looks with amazing handiness—the Arrow *Glen* in wash 'n' wear Dacron* and cotton. Collar stays are stitched in, permanently and invisibly. They just won't get lost. See, too, our *Drake* button-down model. Your choice, in white or solid colors, just \$7.95. All silk tie \$2.50. Cluett, Peabody & Co., Inc.

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For additional information and to apply for an interview please see Mr. Thomas Harrington, Jr. Placement Officer.

Monuments Of Paris

Now that the "Charter Flight Committee" is planning to give the members of the MIT community the opportunity of a cheap trip to Europe, a rather important question arises as to what the destination of the chartered plane should be.

First choice by far has been Paris, and there are many reasons why this city is the favorite tourist spot. However, considering that not many of the MIT family are acquainted with the city, it is a good time to give some information about "The Monuments of Paris".

The tourist who comes, bringing American greenbacks, will soon find that, even if they are exchanged for a large number of francs, the cost of a visit to the monuments cost an even larger number of said francs, and he will soon come into the conclusion that for the same type of quantity or quality, Paris costs more than New York. Of course, Paris has that charm, that exquisite "joie de vivre" that can't be found in between the stuffy buildings of New York, and you have to go beyond 125th Street or down to Greenwich Village to have a taste of it.

In Paris, of course, these things are easier to get anywhere you go; but there are places that have become "classic" after years and years of showing good products.

If you have arrived at the great city and the time of night is too early to go to bed, too late to do any work, then it is recommended that you get yourself into the Metro (the Paris MTA) and take the shortest route to the best known Monument of Paris: the Sacre Coeur de Montmartre and its surrounding district.

It is very easy to get there by taking the Metro to Place Pigalle. You will have a hard time here deciding which monument you would like to visit; naturally, you want the one that is best suited to your pocket. Usually a short visit can be neatly achieved for 3,000 francs, or up to 5,000 at the present inflationary rates. However, if you want to stay up all night and then go to breathe the fresh air of morning at the top of the Sacre Coeur, and then go to have onion soup in the market place, the price will go up to 8,000 to 10,000 depending on how much you wish to accomplish.

It will be much harder on your pocket, but the place a real Parisian goes is the Church de La Madeleine, named after St. Mary Magdalen, and those who read the Bible often will soon find out that the name of the place fits its reputation.

In the surrounding district, the best of Paris is congregated, especially going out of the Church and towards the Opera after 10 p.m., by the Boulevard Des Capucines. At this time of night you, of course, will not see any Capucine Friars, and those who are standing around aren't nuns either.

There are many luxurious residences in the area where you can be taken to visit, with very refined furniture in Louis XIX style. Champagne and whisky will flow profusely to the detriment of your pocket; the joke will come to cost over 15,000 francs for the night (student rates perhaps available) and if you are really gung-ho about it, things may come to unmentionable figures.

bushleaguer

Court Play Tight; Hockey Starts

Entering the fourth round of regular league play, several tight races have developed in the competition for playoff spots in Intramural Basketball.

The tie for first in League V was broken Monday evening when favored Sigma Chi downed previously unbeaten Sigma Alpha Mu, 67-58, in a hotly contested game. On Tuesday, Phi Kappa Sigma edged Phi Mu Delta 39-36, in other league action.

By edging Alpha Epsilon Pi 36-35, Theta Delta Chi moved into sole possession of the top position in League IV, Tuesday. That same evening Delta Kappa Epsilon tripped the unvictorious Chi Phi squad, 44-32, and Baker B dropped their fourth straight 53-34, to the Tank Room Terriers.

Next week will see the final encounters of the regular season. Play-offs will begin immediately after the Christmas vacation with the first and second place teams in each league taking part in a double elimination tournament. The season finale will take place before reading period.

Rule Change, Boost IM Hockey

Twenty-one teams in four leagues are taking part in the new intramural hockey program this year. Starting this season, the old game played with a tennis ball and virtually little protective equipment has been replaced by a more exciting version complete with a puck and full sets of gloves, pads and helmets.

In the contests played to date, the squads have had trouble developing their passing attacks, and in keeping the ice clear of pileups around the

puck, but it is expected that the brand of hockey will improve after the first few encounters.

The program is under the administration of Jon Weisbuch '59.

ICE SCORES

Phi Theta Epsilon—9	Kappa Sigma—0
Sigma Chi—6	Delta Tau Delta—0
Beta Theta Pi—6	Delta Upsilon—0
Theta Chi—1	Theta Delta Chi—0
Sigma Nu—2	Sigma Phi Epsilon—1
Phi Delta Theta—5	Sigma Alpha Epsilon—1

CLASSIFIED COLUMN

WANTED—A ride to Kansas City, Missouri or vicinity about December 20. Will share driving and expenses. Doug Miller, Burton Box 4225, Ext. 3284.

WANTED—Counselors, specialty or general, older college men or graduates. Jewish boys' summer camp, near Boston, excellent summer opportunity. CHelsea 3-5271 or write: Director, 10 Brookside Drive, Cranston, R. I.

JEUNES FILLES! HOMMES! Interested in taking photos? Doing darkroom work? Even if you don't have a camera THE TECH can use your skills. Call or leave a note Bemis 506.

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FOR SALE—Voightlander Prominent. f 1.5 lens, 1/500 sec. shutter. Used—only \$150.00. Regularly sells for \$275.00. See Louis Nelson, Goodale 106, East Campus.

WANTED—Freshmen and Sophomores who have, or think they might have, financial and business abilities. (Also those who just want to make money.) Contact THE TECH Advertising Department, Walker 032, Sunday or Wednesday afternoons, or call Bemis 504, East Campus for information.

INTERESTED IN A FREE TRIP TO BERMUDA?—Well, this isn't the place to look, but if you're interested in a great basketball game be sure to see MIT vs. Harvard in the cage tomorrow night.

Am headed for Indianapolis. Desire rider. Call John Irwin, CI 7-8048.

LOST—I undefeated basketball record in cage tomorrow night. Finder please call John Harvard.

Dear John: All is forgiven if you'll take me to the cocktail party and basketball game tomorrow.

Marsha

WIN A FREE SIX PACK OF BEER—SEE CONTEST on Page 5 of today's THE TECH

EVERYONE invited to monster program cocktail rally party at Fiji house, 28 Fenway Boston—students, pros, dates, etc. . . drinks only 30 cents.

WANTED: Someone to buy my tickets to the Pete Seeger folk song program so I can go to the basketball game tomorrow night. Call Baker 244.

WANTED—Motor scooter or small car. Call CO 5-3498.

THE TECH MODEL RAILROAD CLUB announces its Christmas Open House on Saturday, December 14, from 2 to 6 p.m., Building 20, Room 20-E216. The entire MIT community is invited.

SPECIAL SALE—30 x 54 inch cribs, \$8.00 (used one year, reducing rental department). Lullaby Shop, 362 Harvard Street Brookline, LO 6-9487 open after 12:30.

WANTED—An engagement ring, cheap, diamond. Aris Cristodovlov, Room 135, Burton House.

WANT a Christmas present? Buy it yourself—with money you can make easily by selling some of your old possessions, equipment or supplies—with a THE TECH CLASSIFIED AD.

THE TECH classified ads really do pay off. No matter what you're selling, buying, or giving away—THE TECH can help you. And THE TECH reaches all of the Institute, too: dormitories, fraternities, graduates, married students, faculty, and employees. And, best of all, this service costs only 10c per line (a pittance considering the benefits). Phone THE TECH at TR 6-5856, Institute extension 2731, or the East Campus line; or send your ad through the Institute mail system.

SQUASH

(Continued from page 4)

and sophomore Colin Clive at four, five, and six. Sophomores Bob Hodges, Jim Pennypacker and John Lifshitz round out the nine.

Backed by good depth, the team is still at least a year away but has an outside chance and should show further improvement over the opener.

A powerful freshman squad, still an unknown quantity but highly touted by court regulars, faces the Wesleyan frosh following the varsity match. Having turned in an outstanding record in MSRA Play, the freshmen will have a slight edge over the Cardinals.

Outstanding Frosh

Leading the little Beavers will be Faid Saad and Raul Karman, two of the most outstanding first year men since Howard Cohen '57 and Tom Thomas '57. Saad is a veteran of the slightly different British game which he played successfully in his native Egypt. Karman is from Cuba and is considered an outstanding tennis player. His experience with the four wall game is brief, but since he first played squash—about a month ago—he has shown a fabulous improvement and has beaten Saad on one occasion. Backed by an above-par squad, the frosh should turn in an outstanding record.

SWIMMING

(Continued from page 4)

Frosh Triumph

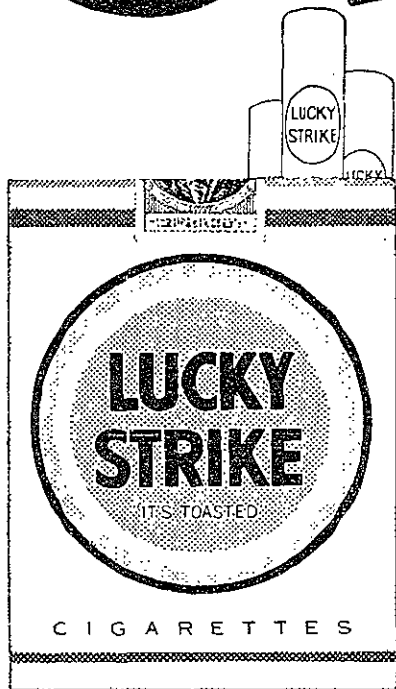
The highlights of the frosh's first meet were smashing first and second in the 100-yard Butterfly by Tom Ising and Jim Francis and a walk-away in the 200 freestyle by John Banzhaf and Eric Essene. A hard fight and in the 100 freestyle brought Tony Sylvestre and Dick Stiffer first and second spots.

Mitch Brodtkin and Bill Watson took an easy 1-2 in the diving with no opponent while Nelson Stefany brought home first place in the 100 backstroke. In the 50-yard freestyle Bruce Marshall took first with Elias Rogers close on his heels.

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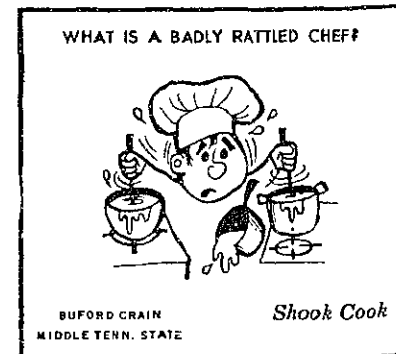
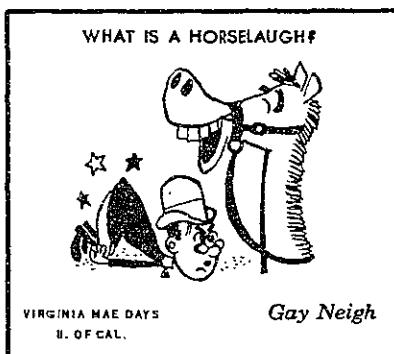
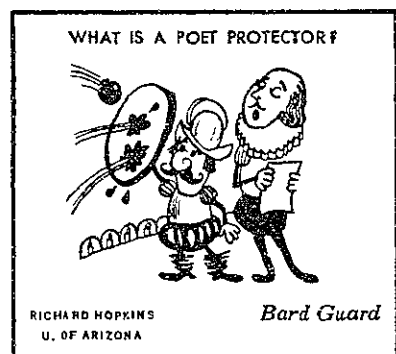
The MIT Orthodox Christian Fellowship and the Protestant Ministry at MIT announces a celebration of the Divine Liturgy of St. John Chrysostom, the principal service of worship of the Eastern Orthodox Church. The service will be held in the MIT Chapel on Sunday, December 15, at 11:00 a.m.

Sticklers!



Sticklers are simple riddles with two-word rhyming answers. Both words must have the same number of syllables. (No drawings, please!) We'll shell out \$25 for all we use—and for hundreds that never see print. So send stacks of 'em with your name, address, college and class to Happy-Joe-Lucky, Box 67A, Mt. Vernon, N.Y.

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